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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>	Complete if Known Application Number: 09/608,989 Filing Date: June 30, 2000 First Named Inventor: Tinku Acharya Group Art Unit: Not Assigned Examiner Name: Not Assigned Attorney Docket Number: 42P8762
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Examiner Signature	A. RAO	Date Considered	4/15/03
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First Named Inventor	Tinku Acharya
Group Art Unit	Not Assigned
Examiner Name	Not Assigned
Attorney Docket Number	42P8762

Sheet 2 of 2

OTHER ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
<i>AR</i> ↓	1	SHIH-PING LIU, "MODEL BASED MOTION ESTIMATION USING CONSTRAINED WEIGHTED LEAST SQUARES", Imaging Department, Siemens Corporation Research, Princeton, NJ, 1994 IEEE, Pgs. 810-814.
	2	GOZDE BOZDAGI, ET AL., "SIMULTANEOUS 3-D MOTION ESTIMATION AND WIRE-FRAME MODEL ADAPTATION INCLUDING PHOTOMETRIC EFFECTS FOR KNOWLEDGE-BASED VIDEO CODING", Electrical and Electronics Eng. Dept., Bilkent University, Ankara, Turkey, 1994 IEEE, Pgs. 413-416.
	3	MARIE DUDON, ET AL., "MOTION ESTIMATION AND TRIANGULAR ACTIVE MESH", XP 002036860, Pgs. 47-53.
	4	HAIBO LI, ET AL., "RECURSIVE ESTIMATION OF FACIAL EXPRESSION AND MOVEMENT", Department of Electrical Engineering, Linkoping University, Sweden, 1992 IEEE, Pgs. 593-596.
	5	MARCO LA CASCIA, ET AL., "HEAD TRACKING VIA ROBUST REGISTRATION IN TEXTURE MAP IMAGES", Computer Science Department, Boston University, Boston, MA, 1998 IEEE, Pgs. 508-514.

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Sheet	1	of	7

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
AR	1	5,875,122		Acharya	02-23-1999	
	2	5,995,210		Acharya	11-30-1999	
	3	6,009,201		Acharya	12-28-1999	
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	5	6,047,303		Acharya	04-04-2000	
	6	6,091,851		Acharya	07-18-2000	
	7	6,094,508		Acharya et al.	07-25-2000	
	8	6,108,453		Acharya	08-22-2000	
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	11	6,151,069		Dunton et al.	11-21-2000	
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	19	6,229,578	B1	Acharya et al.	05-08-2001	
	✓ 20	6,233,358	B1	Acharya	05-15-2001	

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OTHER ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
AK	27	ACHARYA, A Memory Based VLSI Architecture for Image Compression, 09/885,415, June 30, 1997		
	28	ACHARYA et al., A New Scaling Algorithm and Architecture for Integer Scaling in Video, 09/008,131, January 16, 1998		
	29	ACHARYA, An Integrated Color Interpolation and Color Space Conversion Algorithm from 8-Bit Bayer Pattern RGB Color Space to 12-Bit YCrCb Color Space, 09/034,625, March 4, 1998		
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	33	BAWOLEK et al, Infrared Correction System, 09/126,203, July 30, 1998		
	34	ACHARYA, An Efficient Methodology to Select the Quantization Threshold Parameters in a DTW-Based Image Compression Scheme in Order to Store a Predefined Minimum Number of Images into a Fixed Size Secondary Storage, 09/146,159, September 3, 1998		
	35	PAZMINO et al, Method of Compressing and/or Decompressing a Data Set Using Significance Mapping, 09/151,336, September 11, 1998		
	36	TAN et al, Reduction of Ringing Artifacts After Decompression of a DWT-Based Compressed Image, 09/165,511, October 2, 1998		
	37	Tan et al, Robust Sequential Approach in Detecting Defective Pixels Within an Image Sensor, 09/191,310, November 13, 1998		
	38	ACHARYA et al, Color Interpolation for a Four Color Mosaic Pattern, 09/199,836, November 24, 1998		
	39	ACHARYA, A Mathematical Model for Gray Scale and Contrast Enhancement of a Digital Image, 09/207,753, December 8, 1998		
✓	40	TAN et al, Hi-Speed Deterministic Approach in Detecting Defective Pixels Within an Image Sensor, 09/258,636, February 26, 1999		

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AK	41	ACHARYA, Enhancing Image Compression Performance by Morphological Processing, 09/291,810, April 14, 1999	
	42	ACHARYA et al., An Edge Enhanced Image Up-Sampling Algorithm Using Discrete Wavelet Transform, 09/292,763, April 14, 1999	
	43	TAN et al., Using an Electronic Camera to Build a File Containing Text, 09/301,753, April 29, 1999	
	44	TSAT et al, Method and Apparatus for Adaptively Sharpening an Image, 09/320,192, May 26, 1999	
	45	TAN et al., Method and Apparatus for Adaptively Sharpening Local Image Content of an Image, 09/328,935, June 9, 1999	
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	47	TAN et al, A Methodology for Color Correction with Noise Regulation, 09/359,831, July 23, 1999	
	48	ACHARYA et al, Image Processing Method and Apparatus, 09/359,523, July 23, 1999	
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	50	ACHARYA et al, Square Root Raised Cosine Symmetric Filter for Mobile Telecommunications, 09/429,058, September 2, 1999	
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	52	ACHARYA et al, Zerotree Encoding of Wavelet Data, 09/390,255, September 3, 1999	
	53	ACHARYA et al, A Fuzzy Distinction Based Thresholding Technique for Image Segmentation, 09/393,017, September 10, 1999	
V	54	ACHARYA et al, A Fuzzy Based Thresholding Technique for Image Segmentation, 09/393,136, September 10, 1999	

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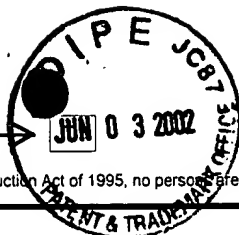
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AK	55	ACHARYA, Video Motion Estimation, 09/406,032, September 27, 1999	
	56	ACHARYA et al, Method of Interpolating Color Pixel Signals from a Subsampled Color Image, 09/410,800, October 1, 1999	
	57	ACHARYA et al, Method of Compressing a Color Image, 09/411,697, October 1, 1999	
	58	ACHARYA et al, Indexing Wavelet Compressed Video for Efficient Data Handling, 09/438,091, November 10, 1999	
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	60	METZ et al, Image Processing Architecture, 09/473,643, November 18, 1999	
	61	ACHARYA, Method of Converting a Sub-Sampled Color Image, 09/461,068, December 14, 1999	
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	63	ACHARYA et al, Chip Rate Selectable Square Root Raised Cosine Filter for Mobile Telecommunications, 09/467,487, December 20, 1999	
	64	ACHARYA et al, An Efficient Companding Algorithm Suitable for Color Imaging, 09/482,551, January 13, 2000	
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	66	ACHARYA et al, Method of Quantizing Signal Samples of an Image During Image Compression, 09/507,399, February 18, 2000	
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	68	ACHARYA et al, Method of Integrating a Watermark into an Image, 09/519,874, March 6, 2000	

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AL ↓	69	ACHARYA et al, Method of Integrating a Watermark into a Compressed Image, 09/519,135, March 6, 2000	
	70	ACHARYA et al, Method of Using Hue to Interpolate Color Pixel Signals, 09/591,867, June 12, 2000	
	71	DUNTON et al, Dual Mode Digital Camera for Video and Still Operation, 09/595,055, June 16, 2000	
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AR	77	SCHRODER K et al: Combined description of shape and motion in an object based coding scheme using curved triangles, (ICIP) IEEE Comp Soc. Press, Us Vol 3, 23 October 1995 Pages 390-393		
	78	TSUHAN CHEN et al, A New Frame Interpolations Scheme for Talking Head Sequences, (ICIP) IEEE Comp. Soc. Press, US Vol. 3, 23 October 1995, pages 591-594		
	79	DEFU CAI et al, Several Key Problems in Model-Based Image Sequence Compression by Using Interframe AUs Correlation, (ICIP) IEEE Comp. Soc. Press, US, vol 3 conf. 1, 13 November 1994, pages 409-413		
	80	EISERT P et al, Rate-distortion-efficient Video Compression using a 3-D Head Model, (ICIP) 24 October 1994, pages 217-221		
	81	BOVE V M, Object-oriented Television, SMPTE Journal, Scarsdale, N.Y., vol. 104 no. 12, 1 December 1993, pages 803-807		
	82	BOZDAGI, 3-D Motion Estimation and Wireframe Adaptation Including Photometric Effects for Model-Based Coding of Facial Image Sequence, IEEE (transactions on circuits and systems for video technology) vol 4 no.3		
	83	LI et al, 3-D Motion Estimation in Model-Based Facial Image Coding, IEEE (transactions on pattern analysis and machine intelligence,)vol. 15 no. 6, June 1993		
	84	BURR D J, Elastic Matching of Line Drawings, IEEE (transactions on pattern analysis and machine intelligence) vol. PAMI-3 no. 6, November 1981		
	85	CHOI et al, Analysis and Synthesis of Facial Image Sequences in Model-Based Image Coding, IEEE (transactions on circuits and systems for video technology) vol. 4 no. 3 June 1994		
	86	YAU et al, A Texture Mapping Approach to 3-D Facial Image Synthesis, 6th Annual EURO-GRAPHICS(UK) Conference. Sussex, April 6-8, 1988 Forum 7 pages 129-134		
	87	HUANG et al, Human Facial Feature Extraction for Face Interpretation and Recognition, Pergamon Press Ltd, Pattern Recognition, Vol 25 No. 12 pages 1435-1444, 1992		
✓	88	TERZOPOULOS et al, Constraints on Deformable Models: Recovering 3D Shape and Nonrigid Motion, AAAI Conference, 1988, pages 91-123		

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